

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method for use in a wireless communications network, comprising:
communicating data to plural mobile stations over a wireless link; and
sending a broadcast message to the plural mobile stations, the broadcast message containing an indication for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions over a reverse wireless link, wherein the broadcast message further includes a particular data rate that is to be used by the plural mobile stations over the reverse wireless link.
2. (Original) The method of claim 1, wherein sending the broadcast message comprises sending a grant message on a channel that is monitored by the plural mobile stations.
3. (Original) The method of claim 2, wherein sending the grant message on the channel comprises sending the grant message on a forward grant channel according to code-division multiple access (CDMA) 2000.
4. (Original) The method of claim 2, wherein sending the grant message comprises sending a grant message containing an identifier, the identifier settable to a first value to uniquely identify one of the plural mobile stations, and the identifier settable to a predetermined value to provide a broadcast indication for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions over the reverse wireless link.
5. (Original) The method of claim 4, wherein the identifier comprises a medium access control (MAC) identifier (MAC ID), the method further comprising:

setting the MAC ID of the grant message to the first value to target a first one of the plural mobile stations; and

setting the MAC ID of the grant message to the predetermined value to provide the broadcast indication to the plural mobile stations.

6. (Original) The method of claim 5, wherein setting the MAC ID to the predetermined value comprises setting the MAC ID to a binary value 00000000.

7. (Previously Presented) The method of claim 2, wherein sending the grant message comprises sending a grant message containing a data rate assignment field and an identifier field, wherein the data rate assignment field contains the particular data rate, and the identifier field contains the indication.

8. (Previously Presented) The method of claim 7, wherein the channel is a shared channel monitored by each of the plural mobile stations, the method further comprising sending another grant message having a value of the identifier field set to uniquely identify one of the mobile stations such that the one mobile station is able to receive an assigned data rate in the data rate assignment field of the another grant message.

9. (Cancelled)

10. (Previously Presented) A method for use in a wireless communications network, comprising:
communicating data to plural mobile stations over a wireless link; and
sending a broadcast message to the plural mobile stations, the broadcast message containing an indication for indicating to the plural mobile stations that the mobile stations are to

change data rates for transmissions over a reverse wireless link, wherein sending the broadcast message to the plural mobile stations comprises sending the broadcast message to cause the plural mobile stations to set respective data rates to a value less than or equal to an autonomous data rate of each of the corresponding mobile stations, wherein the autonomous data rate is useable by the corresponding mobile station operating in autonomous mode in which the corresponding mobile station is able to transmit data over the reverse wireless link without being scheduled.

11. (Cancelled)

12. (Previously Presented) The method of claim 1, wherein sending the broadcast message to the plural mobile stations comprises sending the broadcast message containing the indication for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions of packet data over respective reverse packet data channels.

13. (Currently amended) A[[n]] article computer circuit comprising at least one non-transitory storage medium containing instructions that when executed cause a system in a wireless communications network to:

communicate data to plural mobile stations over a wireless link; and

send a grant message to the plural mobile stations, the grant message containing an identifier, the identifier set to a first value to uniquely identify one of the plural mobile stations that is to change data rate for transmissions over a reverse wireless link, and the identifier set to a predetermined value to provide a broadcast indication for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions over a reverse wireless link.

14. (Cancelled)

15. (Currently amended) The ~~article~~ computer circuit of claim 13, wherein sending the grant message comprises sending the grant message on a forward grant channel (F-GCH) in a code-division multiple access (CDMA) 2000 wireless communications network.

16. (Cancelled)

17. (Currently amended) The ~~article~~ computer circuit of claim 13, wherein sending the grant message containing the broadcast indication is for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions of packet data over respective reverse channels.

18. (Currently amended) The ~~article~~ computer circuit of claim 13, wherein sending the grant message containing the broadcast indication is for assigning a particular data rate to each of the plural mobile stations, the particular data rate relating to transmissions of packet data over respective reverse channels.

19. (Currently amended) The ~~article~~ computer circuit of claim 13, wherein sending the grant message containing the broadcast indication is for incrementing or decrementing data rates of the plural mobile stations for transmissions of packet data over respective reverse channels.

20. (Previously Presented) A mobile station comprising:

an interface to receive messages from a base station, the messages comprising a broadcast message targeted to plural mobile stations, wherein the broadcast message contains a data rate assignment field that contains a particular data rate to be used by the plural mobile stations over a reverse wireless link; and

a controller to change a data rate of transmission over the reverse wireless link to the particular data rate specified by the broadcast message.

21. (Currently amended) A mobile station comprising:

an interface to receive broadcast messages from a base station, ~~the messages comprising a broadcast message targeted~~ transmitted to plural mobile stations, said broadcast message including an identifier that can be set to a first value to uniquely identify a specific mobile station, or a predetermined value that provides a broadcast indication; and

a controller to change a data rate of transmission over a reverse wireless link in response to the broadcast message, said controller configured to change the data rate of transmission to be less than or equal to an autonomous data rate when:

the identifier in the broadcast message is set to the predetermine value that provides a broadcast indication; or

when the identifier in the broadcast message is set to the first value to uniquely identify a specific mobile station and the mobile station is the specific mobile station being uniquely identified.

~~wherein the broadcast message indicates that the mobile station is to transmit at a data rate that is less than or equal to an autonomous data rate, wherein the controller is to transmit autonomously over the reverse wireless link without scheduling from the base station, the controller to transmit at data rate that is less than or equal to the autonomous data rate.~~

22. (Original) The mobile station of claim 21, wherein the interface is adapted to receive another message from the base station that sets the autonomous data rate.

23. (Original) The mobile station of claim 20, wherein the controller is adapted to change the data rate of transmission over a reverse packet data channel.

24. (Original) The mobile station of claim 23, wherein the reverse packet data channel is a code-division multiple access (CDMA) 2000 reverse packet data channel (R-PDCH).

25. (Original) The mobile station of claim 20, wherein the interface is adapted to receive the broadcast message on a forward grant channel, the forward grant channel being a shared channel for monitoring by plural mobile stations.

26. (Previously Presented) A base station comprising:

- a subsystem to communicate data to plural mobile stations over a wireless link; and
- a processor to send a broadcast message to the plural mobile stations, the broadcast message containing an indication for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions over a reverse wireless link, wherein the broadcast message further includes a particular data rate that is to be used by the plural mobile stations over the reverse wireless link.

27. (Previously Presented) The base station of claim 26, wherein the broadcast message is a grant message on a channel that is monitored by the plural mobile stations.

28. (Previously Presented) The base station of claim 27, wherein the grant message contains an identifier, the identifier settable to a first value to uniquely identify one of the plural mobile stations, and the identifier settable to a predetermined value to provide a broadcast indication for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions over the reverse wireless link.

29. (Previously Presented) The base station of claim 26, wherein the grant message contains a data rate assignment field and an identifier field, wherein the data rate assignment field contains the particular data rate, and the identifier field contains the indication.